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OM nucleic - nucleic search, using sw model

Run on: June 9, 2003, 03:30:13 ; Search time 425 Seconds  
(without alignments)  
3734.295 Million cell updates/sec

Title: US-10-091-628-1

Perfect score: 1134

Sequence: 1 atgagagcgaatgttcacg.....acatcactcatgtgaatag 1134

Scoring table: IDENTITY NUC

Gapop 10.0, Gapext 1.0

Reached: 870385 seqs, 699768693 residues

Total number of hits satisfying chosen parameters: 1740770

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications NA:  
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4: /cgn2\_6/ptodata/1/pubpna/US06\_PUBCOMB.seq:\*  
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13: /cgn2\_6/ptodata/1/pubpna/US60\_NEW\_PUB.seq:\*  
14: /cgn2\_6/ptodata/1/pubpna/US60\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1134	100.0	1134	9	US-10-091-628-1
2	1134	100.0	1600	9	US-10-091-628-3
3	183.2	16.2	1663	10	US-09-917-800A-1626
4	173.6	15.3	1580	10	US-09-880-107-2176
5	79.8	7.0	360	10	US-09-864-761-31375
6	79.8	7.0	560	10	US-09-864-761-14847
7	77.8	6.9	310	10	US-09-833-381-317
8	74	6.5	912	9	US-09-960-352-2253
9	67.6	6.0	972	10	US-09-738-626-2554
10	67.6	6.0	3309400	9	US-09-738-626-1
11	64.4	5.7	1017	9	US-09-938-842A-380
12	62.4	5.5	1317	9	US-10-091-628-4
13	62.4	5.5	1777	9	US-10-091-628-6
14	58.6	5.2	374	10	US-09-833-381-318
15	54.2	4.8	407	10	US-09-960-352-10081
16	53.6	4.7	1005	9	US-09-738-626-1392
17	53.6	4.7	3309400	9	US-09-738-626-1
18	53.2	4.7	418	10	US-09-960-352-4473
19	44.6	3.9	197	10	US-09-864-761-30128

C	20	44.6	3.9	600	10	US-09-864-761-13589	Sequence 13589, A
	21	43.2	3.8	1425	9	US-09-796-753-61	Sequence 61, Appl
	22	42.6	3.8	912	10	US-09-974-300-6823	Sequence 6823, Ap
C	23	39	3.4	592	9	US-09-902-563-5	Sequence 5, Appl1
C	24	39	3.4	5403	9	US-09-902-563-3	Sequence 3, Appl1
C	25	35.6	3.1	1642	9	US-10-153-668-71	Sequence 71, Appl
C	26	35.6	3.1	3427	9	US-10-153-668-73	Sequence 73, Appl
C	27	35.4	3.1	1149	10	US-09-880-107-3374	Sequence 3374, Ap
C	28	35	3.1	427	10	US-09-983-965-357	Sequence 357, App
C	29	35	3.1	636	9	US-10-184-644-22	Sequence 22, Appl
C	30	35	3.1	636	9	US-10-184-644-22	Sequence 22, Appl
C	31	35	3.1	1758	10	US-09-815-242-7825	Sequence 7825, Ap
C	32	34.4	3.0	574	10	US-09-864-761-228	Sequence 228, App
C	33	34.4	3.0	669	10	US-09-864-761-17051	Sequence 17051, A
C	34	34.2	3.0	66804	10	US-09-740-041-3	Sequence 3, Appl1
C	35	34	3.0	802	4	US-10-184-644-312	Sequence 312, App
C	36	34	3.0	802	9	US-10-184-634-312	Sequence 312, App
C	37	33.8	3.0	143068	10	US-09-967-768A-316	Sequence 316, App
C	38	33.8	3.0	831	9	US-10-198-846-4233	Sequence 4233, Ap
C	39	33.8	3.0	1853	9	US-09-892-949-16	Sequence 16, Appl
C	40	33.8	3.0	2402	9	US-09-892-949-15	Sequence 15, Appl
C	41	33.8	3.0	2529	9	US-09-892-949-45	Sequence 45, Appl
C	42	33.8	3.0	2903	9	US-09-892-949-53	Sequence 53, Appl
C	43	33.8	3.0	126512	10	US-09-804-474A-3	Sequence 3, Appl1
C	44	33.4	2.9	3042	9	US-09-738-626-1156	Sequence 1156, Ap
C	45	33.2	2.9	471	10	US-09-864-761-10442	Sequence 10442, A

#### ALIGNMENTS

RESULT 1  
US-10-091-628-1

Sequence 1, Application US/10091628

Patent No. US20020164627A1

GENERAL INFORMATION:

APPLICANT: Wilganowski, Nathaniel L.

APPLICANT: Nepomichy, Boris

APPLICANT: Burnett, Michael B.

APPLICANT: Hu, Yi

TITLE OF INVENTION: No. US20020164627A1 Human Transporter Proteins and Polynucleotides

TITLE OF INVENTION: Same

FILE REFERENCE: LEX-0314-USA

CURRENT APPLICATION NUMBER: US/10/091,628

CURRENT FILING DATE: 2002-03-06

PRIOR APPLICATION NUMBER: US 60/275,009

PRIOR FILING DATE: 2001-03-12

PRIOR APPLICATION NUMBER: US 60/284,152

PRIOR FILING DATE: 2001-04-17

NUMBER OF SEQ ID NOS: 6

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 1

LENGTH: 1134

TYPE: DNA

ORGANISM: Homo sapiens

US-10-091-628-1

Query Match

Best local similarity 100.0%; Score 1134; DB 9; Length 1134;

Matches 1134; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy	1	ATGAGACCAATGTTCCAGAGCTCAGCCCTGCACAAAGTTGAGAGAGAGACTG	60
Db	1	ATGAGACCAATGTTCCAGAGCTCAGCCCTGCACAAAGTTGAGAGAGAGACTG	60
Cy	61	CCAATGGAGCTGAGAGCTGATGAAACCTGAGCTCTTTTCAAGTGTCCACTGTG	120
Db	61	CCAATGGAGCTGAGAGCTGATGAAACCTGAGCTCTTTTCAAGTGTCCACTGTG	120
Cy	121	ATGATGGAGCTGCTCATGTTCTCTTGGAGATGTTCCGTGAGATCCGAAAGCTGTGCG	180
Db	121	ATGATGGAGCTGCTCATGTTCTCTTGGAGATGTTCCGTGAGATCCGAAAGCTGTGCG	180

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QY 181 CACATGAGAGACCCCTGGGCGATTTGCTGCGAGCTGCTGCGAGTTTGCGCTCATGCT 240  
DB 181 CACATGAGAGACCCCTGGGCGATTTGCTGCGAGCTGCTGCGAGTTTGCGCTCATGCT 240  
QY 241 TTTACAGCTTATCTCCGCGCATTTAGCTTTTCTGAGGCGAGTCCAGCTATGCTGT 300  
DB 241 TTTACAGCTTATCTCCGCGCATTTAGCTTTTCTGAGGCGAGTCCAGCTATGCTGT 300  
QY 301 CTCATCATGGGCTGCTGCGCGGCGGCGACCATCTTACATTTTCACTTCTGGTGTAT 360  
DB 301 CTCATCATGGGCTGCTGCGCGGCGGCGACCATCTTACATTTTCACTTCTGGTGTAT 360  
QY 361 GGAATATGATGATTCAGCATCAGTATGACACCTGTTCCACCGTGGCGCGCTGGGAATG 420  
DB 361 GGAATATGATGATTCAGCATCAGTATGACACCTGTTCCACCGTGGCGCGCTGGGAATG 420  
QY 421 ATGCGCTGCTGATTTATCTTACACCTGCTGCGAGTCTTACAGAGATCTCACATT 480  
DB 421 ATGCGCTGCTGATTTATCTTACACCTGCTGCGAGTCTTACAGAGATCTCACATT 480  
QY 481 CCTTATCAGAACATAGGAATTAACCTTGTGTGCTGACCAATTCCTGTGGCTTTGGTGT 540  
DB 481 CCTTATCAGAACATAGGAATTAACCTTGTGTGCTGACCAATTCCTGTGGCTTTGGTGT 540  
QY 541 TATGTGAATTAAGATGCGCAAAACATCCAAATATCTTCAAGTTGGGCGCTTGT 600  
DB 541 TATGTGAATTAAGATGCGCAAAACATCCAAATATCTTCAAGTTGGGCGCTTGT 600  
QY 601 GGTGGGGTCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 660  
DB 601 GGTGGGGTCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 660  
QY 661 AATTGAGACATCAACCTTCTGACATCACTTCTGCTGCTGCTGCTGCTGCTGCTGCT 720  
DB 661 AATTGAGACATCAACCTTCTGACATCACTTCTGCTGCTGCTGCTGCTGCTGCTGCT 720  
QY 721 GGTGTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 780  
DB 721 GGTGTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 780  
QY 781 GAAATGAGCTGAGATTAATTCAGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 840  
DB 781 GAAATGAGCTGAGATTAATTCAGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 840  
QY 841 GAGCACTTGGTCCAGATGTTGAGTTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 900  
DB 841 GAGCACTTGGTCCAGATGTTGAGTTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 900  
QY 901 GGTGTTCTTATTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 960  
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DB 961 AAAAAGAACTGAGTTCAGAGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1020  
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DB 1021 ACCAATGCTTCTTGGAGGTGAATGAAGAGTGCATCACTCTGCGGCGACCGAGGCGCA 1080  
QY 1081 ATGAGATTCGCAAGGGCTCTGAGCGAGTGGCGACATCACTTCAATGTGAATG 1134  
DB 1081 ATGAGATTCGCAAGGGCTCTGAGCGAGTGGCGACATCACTTCAATGTGAATG 1134

## RESULT 2

US-10-091-628-3  
; Sequence 3, Application US/10091628  
; Patent No. US20020164627A1  
; GENERAL INFORMATION:  
; APPLICANT: Wlkanowski, Nathaniel L.  
; APPLICANT: Nepomnichy, Boris  
; APPLICANT: Burnett, Michael B.

APPLICANT: Hu, Yi  
; TITLE OF INVENTION: No. US20020164627A1 Human Transporter Proteins and Polynucleoti-  
; TITLE OF INVENTION: Same  
; FILE REFERENCE: LEX-0314-USA  
; CURRENT APPLICATION NUMBER: US/10/091,628  
; PRIOR FILING DATE: 2001-03-12  
; PRIOR APPLICATION NUMBER: US 60/275,009  
; PRIOR FILING DATE: 2001-03-12  
; PRIOR APPLICATION NUMBER: US 60/284,152  
; NUMBER OF SEQ ID NOS: 6  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 3  
; LENGTH: 1600  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-091-628-3  
Query Match 100.0%; Score 1134; DB 9; Length 1600;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 1134; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
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DB 194 ATGAGAGCAATTTGTTCCAGAGCTGAGCTGCGCTGCGCAAGTTTCAAGAGAGAGCTG 253  
QY 61 CCAAGTGGAGCTGAGAGTGCATGGAACCTGAGCTGTTTCAAGTGGTGCATGCTG 120  
DB 254 CCAAGTGGAGCTGAGAGTGCATGGAACCTGAGCTGTTTCAAGTGGTGCATGCTG 313  
QY 121 ATGATGGGCTGCTATGTTCTTGGAGATGTTCCGAGAGATCCGAGAGTGGTGTG 180  
DB 314 ATGATGGGCTGCTATGTTCTTGGAGATGTTCCGAGAGATCCGAGAGTGGTGTG 373  
QY 181 CACATGAGAGACCCCTGGGCGATTTGCTGCGAGCTGCTGCGAGTTTGCGCTCATGCT 240  
DB 374 CACATGAGAGACCCCTGGGCGATTTGCTGCGAGCTGCTGCGAGTTTGCGCTCATGCT 433  
QY 241 TTTACAGCTTATCTCCGCGCATTTAGCTTTTCTGAGGCGAGTCCAGATTTGCTGT 300  
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QY 301 CTCATCATGGGCTGCTGCGCGGCGGCGACCATCTTCAATTTTCACTTCTGGTGTAT 360  
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QY 361 GGAATATGATGATTCAGCATCAGTATGACACCTGTTCCACCGTGGCGCGCTGGGAATG 420  
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QY 421 ATGCACTCTGCAATTTATCTTACACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 480  
DB 614 ATGCACTCTGCAATTTATCTTACACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 673  
QY 481 CCTTATCAGAACATAGGAATTAACCTTGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCT 540  
DB 674 CCTTATCAGAACATAGGAATTAACCTTGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCT 733  
QY 541 TATGGAATTAAGATGCGCAAAACATCCAAATATCTTCAAGATTTGGGCGCTTGT 600  
DB 734 TATGGAATTAAGATGCGCAAAACATCCAAATATCTTCAAGATTTGGGCGCTTGT 793  
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QY 661 AATTGAGACATCAACCTTCTGACATCACTTCTGCTGCTGCTGCTGCTGCTGCTGCT 720  
DB 854 AATTGAGACATCAACCTTCTGACATCACTTCTGCTGCTGCTGCTGCTGCTGCTGCT 913  
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 QY 1081 ATGATTTGCTCAGAGGCTCTCTGAGCCAGTTGGCCATCATCTTCAATGTAATAG 1134  
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RESULT 3

; Sequence 1626, Application US/0917800A  
 ; Patent No. US20020119462A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Mendrick, Donna  
 ; APPLICANT: Porter, Mark  
 ; APPLICANT: Johnson, Kory  
 ; APPLICANT: Castle, Arthur  
 ; APPLICANT: Elashoff, Michael  
 ; APPLICANT: Gene Logic, Inc.  
 ; TITLE OF INVENTION: Molecular Toxicology Modeling  
 ; FILE REFERENCE: 44921-5038-US  
 ; CURRENT APPLICATION NUMBER: US/09/917, 800A  
 ; CURRENT FILING DATE: 2001-07-31  
 ; PRIOR APPLICATION NUMBER: US 60/222,040  
 ; PRIOR FILING DATE: 2000-07-31  
 ; PRIOR APPLICATION NUMBER: US 60/222,880  
 ; PRIOR FILING DATE: 2000-11-02  
 ; PRIOR APPLICATION NUMBER: US 60/290,029  
 ; PRIOR FILING DATE: 2001-05-11  
 ; PRIOR APPLICATION NUMBER: US 60/290,645  
 ; PRIOR FILING DATE: 2001-05-15  
 ; PRIOR APPLICATION NUMBER: US 60/292,336  
 ; PRIOR FILING DATE: 2001-05-22  
 ; PRIOR APPLICATION NUMBER: US 60/295,798  
 ; PRIOR FILING DATE: 2001-06-06  
 ; PRIOR APPLICATION NUMBER: US 60/297,457  
 ; PRIOR FILING DATE: 2001-06-13  
 ; PRIOR APPLICATION NUMBER: US 60/298,884  
 ; PRIOR FILING DATE: 2001-06-19  
 ; PRIOR APPLICATION NUMBER: US 60/303,459  
 ; PRIOR FILING DATE: 2001-07-09  
 ; NUMBER OF SEQ ID NOS: 1740  
 ; SOFTWARE: Patent In Ver. 2.1  
 ; SEQ ID NO 1626  
 ; LENGTH: 1663  
 ; TYPE: DNA  
 ; ORGANISM: Rattus norvegicus  
 ; FEATURE:  
 ; OTHER INFORMATION: Genbank Accession No. US20020119462A1 NM\_017047  
 ; US-09-917-800A-1626

Query Match 16.2%; Score 183.2; DB 10; Length 1663;  
 Best Local Similarity 53.6%; Freq. No. 6,9e-50;  
 Matches 430; Conservative 0; Mismatches 363; Indels 9; Gaps 2;

QY 119 TGATGATGAGGCTGCTCATATGTTCTTCTTGGAGATGTCGTCAGATCGGAAGCTGTGCT 178  
 DB 219 TAAATGTTGCTCTTATATATGCTCTACAGGCTGTCACATGGAATTCAGAAATCAAG 278  
 QY 179 CGCATATCAGAGAACCTGCGGCAATGCTGTGGAGATGCTGTGCAAGTTGGGCTCATGC 238  
 DB 279 CTCACCTGTGTGAACCCCAAGAGGGGTGATCGTTGCTGTGGGCCCAAGTTGGCATATGTC 338  
 QY 239 CTTTAAAGCTTATCTCTGCGCATTTAGCTTTTCTCTGAAACCCAGTCCAGCTATTTGCTG 298  
 DB 339 CCTGCGCTGCTTCTTCTTCTGCGCAAGATCTTTCACCTGAGCAACATTTGAACCTCTGCGCA 398  
 QY 299 TTTCTATCATGAGGCTGCTGCTGCGGAGGAGCAGCATCTCTAATCTTTCACCTTCTGAGTTG 358  
 DB 399 TCTCATATGATGCTGCTGCTGCTGCGGAGGAGCTGTCCAACTCTTCACTGCGGCAATGA 458  
 QY 359 ATGAGATATGATATCTCAGATCATGATGATGATGATGATGATGATGATGATGATGATGAT 418  
 DB 459 AGGGGACATGAACTTCAGCATGCTGATGATGATGATGATGATGATGATGATGATGATGATGAT 518  
 QY 419 TGATGCCACTGCTGATTTATCTTACACC---TGCTCTGAGTCTTACAGAAATCTCA 475  
 DB 519 TGATGCCACTGCTCTTATATGCTTACAGCAAGGATCTACATGAGAGACCTTAAAGACA 578  
 QY 476 CCATTCCTTATCAGAACATAGAAATTAACCTTGTGTCGTCGACCATTCCTGTGCGCTTTG 535  
 DB 579 AGTGCCCTTAAAGAGGATTTATGATATGATATGATATGATATGATATGATATGATATGATATG 638  
 QY 536 GTGTCTATGATATTAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 595  
 DB 639 GGATGCTCTCAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 698  
 QY 596 TGTGTTGAGGGGCTCTCTCTCTGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTC 655  
 DB 699 TCATCACCCTTCT 758  
 QY 656 CTGGAATTCAGACATCAC-----CCTTCTGACCATGATTTATCTTCTTCTTCTTCTTCTTCT 709-  
 DB 759 GCATCATGTTGTCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 818  
 QY 710 GCCATGTCACGGGTTTCTGCTGTCGATCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 769  
 DB 819 GCTTCTGATGAGTTTCTTCT 878  
 QY 770 CAATTCCTTGAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 829  
 DB 879 CCATCAGAT 938  
 QY 830 CTTTCACGCTGAGCAGCTTGTGTCAGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 889  
 DB 939 CTTTCCCCCTGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 998  
 QY 890 AGCTGAT 911  
 DB 999 AGCTGAT 1020

RESULT 4

; Sequence 2176, Application US/09880107  
 ; Patent No. US20020142981A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Horne, Darci T.  
 ; APPLICANT: Vockley, Joseph G.  
 ; APPLICANT: Schert, Iwe  
 ; APPLICANT: Gene Logic, Inc.  
 ; TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer  
 ; FILE REFERENCE: 44921-5028-WO  
 ; CURRENT APPLICATION NUMBER: US/09/880,107  
 ; CURRENT FILING DATE: 2001-06-14  
 ; PRIOR APPLICATION NUMBER: US 60/211,379  
 ; PRIOR FILING DATE: 2000-06-14  
 ; PRIOR APPLICATION NUMBER: US 60/237,054

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; PRIOR FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 3950
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2176
; LENGTH: 1580
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Genbank Accession No. US20020142381A1 L218991
US-09-880-107-2176

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Query Match	15.3%;	Score 173.6;	DB 10;	Length 1580;
Best Local Similarity	51.9%;	Pred. No. 1e-46;		
Matches 445;	Conservative	0;	Mismatches 404;	Indels 9;
				Gaps 2

OY	119	TGATGATGAGGGCTCTCATGTTCTCTTTGGAGATGTCGGTGAAGATCCGGAAGCTGTGAT	178
Db	180	TCATGTTTCTTTCATCATGCTCTCGCTGGGCTGCACATGAGTTTCAGCAAGATCAAGG	239
OY	179	CGCACATCAGAGACCCTGGGGCAATTCGTGTGGACCTGCTTCGACGTTTGGCTCATGC	238
OY	240	CTCACTTATGAGAACCTAAAGGGCTGGCCATCGGCCCTGGTGGACAGTATGGCATATCC	299
Db	239	CTTTACAGCTTATCTCTGGCCATTAGCTTTTCTTGAAAGCCAGTCCAAAGTATGTCTG	298
OY	300	CCCTCAGGGCTTTGTCTGTGGCAAGGCTTTCGGCTGAAGAAATTGAGGCATGGCCA	359
Db	299	TTCTCATCATGGGCTGTGCCCCGGGGGGACCACTCTCAATATTTTCAACCTTCTGGGTG	358
OY	360	TCTTGTGTGTGGCTGCTCACTGGAGGAAACGTGTCAATATCTTCAGTCTGGGCATCA	419
OY	359	ATGGAATATGAGATCTCAGCATCATATGACAACTGTTCACCCGTGGCCGCTTGGAA	418
Db	420	AGGGGAGCATGAACTTCAGCATGTGTGATGACACACTGTCTCACTTGTGGCCCTTGGCA	479
OY	419	TGATGCACTCTGCATTATCTACACG---TGGTCTGGAGTCTTCAGCAAACTCA	475
Db	480	TGATGCTCTCTCTGTACATCTACTACAGGGGAGATCTATGATGGGAGCTTGAGGACA	539
OY	476	CCATTCCTTATCAGAACATGAAATTAACCTTGTGTGCTGACCAATTCCTGTGGCCTTGG	535
Db	540	AGGTGCCCTTAAAGGATCGTGATATCACTGGTCTGGTTCATTCTTCATGCACATAG	599
OY	536	GTCGTCATGCAATTAAGATGGCAAAATCAAAATCATCTTCAAGATTGGGGCCG	595
Db	600	GGATGTCCTCAATCCAAACGGCAAAATACATGCGCTATGTCAATCAAGGAGGATGA	659
OY	596	TTGTGTGGGGGTCCCTCTCTGTGTGTGCAGTGTGTGTGTGTGTCTGGCGAAAGAT	655
Db	660	TCATCATCTCTTGTGCAGTGTGGCCGTACAGTCTCTGTGCATCAATATGTGGGAA	719
OY	656	CTTGAATTCAGACATAC-----CCTCTGACATCAATTCACTTCTCTTTGATTG	709
Db	720	GCATCATGTGTTCCATGACACCACTGTGATGTGCACCTCTCCCTGATGCCCTTTAATTG	779
OY	710	GCCATGTCAAGGGTTTCTGTGGCACTTTTAAACCCACAGCTTTTGACAAAGGTGACGA	769
Db	780	GCTTCTGTGGGTATATGTTCTCTGTGCTCTCTTCTGCTCATATGACGGTGCAGACGA	839
OY	770	CAATTTCTTGAAGATGAGACCTCAGAAATATTCAGATGTGCAATCACCATGCTTCACTTAT	829
Db	840	CTGTACAGCATGAGACCTGAGTGCAGAAATGTCCAACTGTTCACCACTCTCAATATGTGG	899
OY	830	CTTTCACGTGAGACACTGTGTCCAGATGTGATTTGCCACTGGGCTATGACCTTTC	889
Db	900	CTTTTCACTGGAAGTCAATGAGACCACTTTTCTTTTCCCTCTCTCAATGATTTTC	959
OY	890	AGCTGATAGATGATTTCTTATGTTTGACACATATCAGAGTACAGAGAGATTGAGA	949
Db	960	AGCTTGGAGAAAGGCTTCTCTCATTCACATATTTGTGTCTATGAAATTCAGACATC	1019
OY	950	ACAAACATGAAAAAGA	967

Db 1020 CCAAGGATAAAACAAAA 1037

```

RESULT 5
US-09-864-761-31375/c
Sequence 31375, Application US/09864761
Patent No. US20020048763A1
GENERAL INFORMATION:
APPLICANT: Penn, Sharron G.
APPLICANT: Rank, David R.
APPLICANT: Hanzel, David K.
APPLICANT: Chen, Wensheng
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
FILE REFERENCE: Aecmlca-X-1
CURRENT APPLICATION NUMBER: US/09/864,761
CURRENT FILING DATE: 2001-05-23
PRIORITY APPLICATION NUMBER: US 60/180,312
PRIORITY FILING DATE: 2000-02-04
PRIORITY APPLICATION NUMBER: US 60/207,456
PRIORITY FILING DATE: 2000-05-26
PRIORITY APPLICATION NUMBER: US 09/532,366
PRIORITY FILING DATE: 2000-08-03
PRIORITY APPLICATION NUMBER: GB 24263.6
PRIORITY FILING DATE: 2000-10-04
PRIORITY APPLICATION NUMBER: US 60/236,359
PRIORITY FILING DATE: 2000-09-27
PRIORITY APPLICATION NUMBER: PCT/US01/00666
PRIORITY FILING DATE: 2001-01-30
PRIORITY APPLICATION NUMBER: PCT/US01/00667
PRIORITY FILING DATE: 2001-01-30
PRIORITY APPLICATION NUMBER: PCT/US01/00664
PRIORITY FILING DATE: 2001-01-30
PRIORITY APPLICATION NUMBER: PCT/US01/00669
PRIORITY FILING DATE: 2001-01-30
PRIORITY APPLICATION NUMBER: PCT/US01/00665
PRIORITY FILING DATE: 2001-01-30
PRIORITY APPLICATION NUMBER: PCT/US01/00668
PRIORITY FILING DATE: 2001-01-30
PRIORITY APPLICATION NUMBER: PCT/US01/00663
PRIORITY FILING DATE: 2001-01-30
PRIORITY APPLICATION NUMBER: PCT/US01/00662
PRIORITY FILING DATE: 2001-01-30
PRIORITY APPLICATION NUMBER: PCT/US01/00661
PRIORITY FILING DATE: 2001-01-30
PRIORITY APPLICATION NUMBER: PCT/US01/00670
PRIORITY FILING DATE: 2001-01-30
PRIORITY APPLICATION NUMBER: US 60/234,687
PRIORITY FILING DATE: 2000-09-21
PRIORITY APPLICATION NUMBER: US 09/508,408
PRIORITY FILING DATE: 2000-06-30
PRIORITY APPLICATION NUMBER: US 09/774,203
PRIORITY FILING DATE: 2001-01-29
NUMBER OF SEQ ID NOS: 49117
SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
SEQ ID NO 31375
LENGTH: 360
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: MAP TO AL157789.1
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 2.2
OTHER INFORMATION: NT HIT: g111435250, EVALU 0.00e+00
OTHER INFORMATION: SWISSPROT HIT: Q14973, EVALU 7.00e-64
OTHER INFORMATION: EST_HUMAN HIT: W01479.1, EVALU 0.00e+00
US-09-864-761-31375

```

Query Match	7.0%	Score 79.8	DB 10	Length 360
Best Local Similarity	56.8%	Pred. No. 6.7e-16		
Matches 147; Conservative	0	Mismatches 112;	Indels 0;	Gaps 0
QY	119	TGATGATGGGGCTGCTCATTCTTTCTTTGGGATTTCCGTGAGATCCGAGACTGTGGT		
		178		



Db 41 ACATACAGAAATGTTATGAAAAATGATG 11

## RESULT 8

US-09-960-352-2253  
Sequence 2253, Application US/09960352  
Patent No. US20020137139A1  
GENERAL INFORMATION:  
APPLICANT: Warren, Wesley C.  
APPLICANT: Tao, Nengbing  
APPLICANT: Byatt, John C.  
APPLICANT: Mathialagan, Nagappan  
TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND  
FILE OF INVENTION: MUSCLE AND FAT DEPOSITION  
FILE REFERENCE: 16511.006/37-21(10298)C  
CURRENT APPLICATION NUMBER: US/09/960,352  
CURRENT FILING DATE: 2001-09-24  
NUMBER OF SEQ ID NOS: 15112  
SEQ ID NO 2253  
LENGTH: 401  
TYPE: DNA  
ORGANISM: Bos taurus  
FEATURE:  
NAME/KEY: unsure  
LOCATION: (390)  
OTHER INFORMATION: unsure at all n locations  
OTHER INFORMATION: Clone ID: 10-LIB34-014-01-E1-C5  
US-09-960-352-2253

## Query Match

Best Local Similarity 60.1%; Score 74; DB 10; Length 401;  
Matches 122; Conservative 0; Mismatches 81; Indels 0; Gaps 0;

QY 119 TGATGATGAGGGGCTGCTGATGTTCTCTTGGAGATTCGGAGATCCGGAAGCTGTGAT 178  
DB 199 TCATGCTGTTAACCATCATGCTCTCGCTGGGTGCACCATGAGTTGACGAGATCAAG 258  
QY 179 CGCATCATGAGAGACCCCTGGGGCATGCTGTGGAGACTGCTCCAGTTTGGGCTGATGC 238  
DB 259 CGCATCTTGGAGAGCCCAAGGGGCTGCGCTGGTGGGCGCATGTTGGGATCATGC 318  
QY 239 CTTTACAGCTTATCTCTGCGCCATTAGCTTTCTCTGAAGCCAGTCCAGCTATGCTG 298  
DB 319 CCTCCTGCTGCTTGGAGTGGGCAAGTCTTCCAGCTGAATTAAGTTGAGGCCCTTACCA 378  
QY 299 TTCTCATCATGAGGCTGCTGCGCCG 321  
DB 379 TCCTGATCTGCNCTGCTCTCACCG 401

## RESULT 9

US-09-738-626-2554  
Sequence 2554, Application US/09738626  
Publication No. US20020197605A1  
GENERAL INFORMATION:  
APPLICANT: NAKAGAWA, SATOSHI  
APPLICANT: MIZOGUCHI, HIROSHI  
APPLICANT: ANDO, SEIKO  
APPLICANT: HAYASHI, MIKIRO  
APPLICANT: OCHIAI, KEIKO  
APPLICANT: YOKOI, HARUHIKO  
APPLICANT: TATEISHI, NAKO  
APPLICANT: SENOH, AKIHIRO  
APPLICANT: IKEDA, MASATO  
APPLICANT: OZAKI, AKIO  
TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES  
FILE REFERENCE: 249-125  
CURRENT APPLICATION NUMBER: US/09/738,626  
CURRENT FILING DATE: 2000-12-18  
PRIOR APPLICATION NUMBER: JP 99/377484  
PRIOR FILING DATE: 1999-12-16  
PRIOR APPLICATION NUMBER: JP 00/159162

PRIOR FILING DATE: 2000-04-07  
PRIOR APPLICATION NUMBER: JP 00/280988  
PRIOR FILING DATE: 2000-08-03  
NUMBER OF SEQ ID NOS: 7059  
SOFTWARE: PatentIn ver. 3.0  
SEQ ID NO 2554  
LENGTH: 972  
TYPE: DNA  
ORGANISM: Corynebacterium glutamicum  
US-09-738-626-2554

## Query Match

Best Local Similarity 51.3%; Score 67.6; DB 9; Length 972;  
Matches 157; Conservative 0; Mismatches 149; Indels 0; Gaps 0;

QY 129 GGTGCTCATGTTCTCTTGGAGATTCGGAGATCCGGAAGCTGTGTCGACATG 188  
DB 141 GATCATCATGTTTACCATATGGGTTTACCTTACGCGTGGCCGATTTTCAGATGCTTAA 200  
QY 189 GAGACCCCTGGGCTATGCTGTGGAGCTGCTGCGCATTTTGGGCTCATGCTTTTACAGC 248  
DB 201 AGTCCACTGCTTATCTTGTATGCTGTAGTACGCGCATTTTGCATCATGCTTCTGCGC 260  
QY 249 TTATCTCTGCGCATTAAGCTTTTCTGTAAGCAGTCCAGCTATTTGCTGCTCATCAT 308  
DB 261 GATCGGTGTTGAAATGTTTACCTCAACCCAGCAGCTGCGCTTGGCTTCTCATGCT 320  
QY 309 GGGCTGTCGCCGGGGGACACCATCTTACATTTTCACTTCTGGGTTGATGAGATAT 368  
DB 321 GGGATCCGTTCCGGGTGGGACCTCTCCATATGATGCGTTTCTGCGCGAGAGATGT 380  
QY 369 GATTCAGCATAGTATGACAACTGTTCACCGTGGCGCCCTGGGAATGATCCACT 428-  
DB 381 CGCGCTATCGGTACCATGACCTCTGTGTCACCATTTTCCCATCATGACCGCTTT 440  
QY 429 CTGCAAT 434  
DB 441 CCTCAT 446

## RESULT 10

US-09-738-626-1/c  
Sequence 1, Application US/09738626  
Publication No. US20020197605A1  
GENERAL INFORMATION:  
APPLICANT: NAKAGAWA, SATOSHI  
APPLICANT: MIZOGUCHI, HIROSHI  
APPLICANT: ANDO, SEIKO  
APPLICANT: HAYASHI, MIKIRO  
APPLICANT: OCHIAI, KEIKO  
APPLICANT: YOKOI, HARUHIKO  
APPLICANT: TATEISHI, NAKO  
APPLICANT: SENOH, AKIHIRO  
APPLICANT: IKEDA, MASATO  
APPLICANT: OZAKI, AKIO  
TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES  
FILE REFERENCE: 249-125  
CURRENT APPLICATION NUMBER: US/09/738,626  
CURRENT FILING DATE: 2000-12-18  
PRIOR APPLICATION NUMBER: JP 99/377484  
PRIOR FILING DATE: 1999-12-16  
PRIOR APPLICATION NUMBER: JP 00/159162  
PRIOR FILING DATE: 2000-04-07  
PRIOR APPLICATION NUMBER: JP 00/280988  
PRIOR FILING DATE: 2000-08-03  
NUMBER OF SEQ ID NOS: 7059  
SOFTWARE: PatentIn ver. 3.0  
SEQ ID NO 1  
LENGTH: 3309400  
TYPE: DNA  
ORGANISM: Corynebacterium glutamicum  
US-09-738-626-1



Query Match 6.0%; Score 67.6; DB 9; Length 3309400;  
Best Local Similarity 51.3%; Pred. No. 1.9e-09;  
Matches 157; Conservative 0; Mismatches 149; Indels 0; Gaps 0;

QY 129 GCTGCTCATGTTCTTTGGGATGTTCCGTGAGATCCGGAAGCTGTGTGCACATGAG 188  
DB 2466869 GATCATCATGTTTCCACATGAGGTTTACCTTGACGGTGCCCGATTTCAGATGTTCTTAA 2466810  
QY 189 GAGACCCGCGGACATGTCGTGGGACGTGTCCAGATTTGGGCTTCAGCCCTTTACAGC 248  
DB 2466809 AGCTGACCTGCTTATCTTGATGGTGGTGTAGAGCGAGTTTGTCAATGACCAATTCCTGCGC 2466750  
QY 249 TTATCTCTGCGCATTAGCTTTTCTGTGAGCCAGCTCCAGCTATTTGCTTCATCAT 308  
DB 2466749 GATCGTGGTTGGGAAATGTTTCAACCTCAGACCTCCGCGCTTGGCCTTTCATGCT 2466690  
QY 309 GGGCTGCTGCGCGGGGGGACCATCTTAAACATTTTCACTTCTGGGTTGATGAGATAT 368  
DB 2466689 GGGATCCGTTCCGGGTGGGACCTCTCCCAATGTGATGGGTTTCTGCGCCGAGAGATGT 2466630  
QY 369 GGATCTCAGCATCATATGACAACTGTTCACCGTGGCGCGCCCTGGGAATGATGCCACT 428  
DB 2466629 CGCGTATCGGTACCATGACCTCTGTGTCCACCAATGTTTCCCAATCATGACCGCTTT 2466570  
QY 429 CTGCAT 434  
DB 2466569 CCTCAT 2466564

## RESULT 11

US-09-938-842A-380  
; Sequence 380, Application US/09938842A  
; Patent No. US20020160378A1  
; GENERAL INFORMATION:  
; APPLICANT: Harper, Jeff  
; APPLICANT: Kreps, Joel  
; APPLICANT: Wang, Xun  
; APPLICANT: Zhu, Tong  
; TITLE OF INVENTION: STRESS-REGULATED GENES OF PLANTS, TRANSGENIC PLANTS CONTAINING  
; TITLE OF INVENTION: SAME, AND METHODS OF USE  
; FILE REFERENCE: SCRIPT300-3  
; CURRENT APPLICATION NUMBER: US/09/938,842A  
; CURRENT FILING DATE: 2001-08-24  
; PRIOR APPLICATION NUMBER: US 60/227,866  
; PRIOR FILING DATE: 2000-08-24  
; PRIOR APPLICATION NUMBER: US 60/264,647  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/300,111  
; PRIOR FILING DATE: 2001-06-22  
; NUMBER OF SEQ ID NOS: 5379  
; SEQ ID NO 380  
; LENGTH: 1017  
; TYPE: DNA  
; ORGANISM: Arabidopsis thaliana  
US-09-938-842A-380

Query Match 5.7%; Score 64.4; DB 9; Length 1017;  
Best Local Similarity 49.4%; Pred. No. 1.7e-10;  
Matches 167; Conservative 0; Mismatches 171; Indels 0; Gaps 0;

QY 103 ACAGTGTGTCACATGATGATGAGGGCTGCTCATGTTCTTTGGGATGTTCCGCGAG 162  
DB 199 ACGATCTCTTACTCTAGGCTTGGATTTCTTAAGCTTTCCATGAGGTTTGACTTTAGC 258  
QY 163 ATCCGAACTGTGTGCGACATCAGAGACCTGGGGCATGCTGTGGGACGTCTGCG 222  
DB 259 TTGAAGATTTGAGAAGATGTTAGCTATTCATGAGAGCGTGGGTGTTTCTTGCT 318  
QY 223 CAGTTTGGGCTATGCTTTTACAGTTATCTTCCGCGCATTAAGCTTTTCTGAAAGCA 282  
DB 319 CAATATATGATACGCAATTTCTAGGTTTCTCATATGCAATGACTCTTAAGCTTTTGGCA 378  
QY 283 GTCAAGTATATGCTGTTCTCATCATGAGCGCTGCGCGGGGAGCAACATCTTAACAT 342

DB 379 CCTTGTGACCTGGGCTTATCTATGCTCATGCTGCGCTGGAGGACAGCGCTCAACGTT 438  
QY 343 TTCACCTTCTGGGTTGATGAGATATGATGATCTCAGCATCAATGACAACTGTTCCACC 402  
DB 439 GCTACTTACATTTTCCAGAGGAAATGAGCGCTCTCTGTACTCATGACAACTGTTCAACC 498  
QY 403 GTGGCGCCCTGGGAATGATGCACTGCAATTATCT 440  
DB 499 ATTGGGCTATTATATATGATCTCTTCTTACTAAGCT 536

## RESULT 12

US-10-091-628-4  
; Sequence 4, Application US/10091628  
; Patent No. US20020164627A1  
; GENERAL INFORMATION:  
; APPLICANT: Wilganowski, Nathaniel L.  
; APPLICANT: Nepomichy, Boris  
; APPLICANT: Burnett, Michael B.  
; APPLICANT: Hu, Yi  
; TITLE OF INVENTION: No. US20020164627A1e1 Human Transporter Proteins and Polynucleoti  
; TITLE OF INVENTION: Same  
; FILE REFERENCE: LEX-0314-USA  
; CURRENT APPLICATION NUMBER: US/10/091,628  
; CURRENT FILING DATE: 2002-03-06  
; PRIOR APPLICATION NUMBER: US 60/275,009  
; PRIOR FILING DATE: 2001-03-12  
; PRIOR APPLICATION NUMBER: US 60/284,152  
; PRIOR FILING DATE: 2001-04-17  
; NUMBER OF SEQ ID NOS: 6  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 4  
; LENGTH: 1317  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-091-628-4

Query Match 5.5%; Score 62.4; DB 9; Length 1317;  
Best Local Similarity 46.2%; Pred. No. 8.9e-10;  
Matches 207; Conservative 0; Mismatches 241; Indels 0; Gaps 0;

QY 131 TGCTCATGTTCTCTTGGGATGTTCCGTGAGATCCGGAAGCTGTGTGCGACATCAGCA 190  
DB 458 TGAATAGTGTGCAATTTGTTGTAAGATTGAATTAACAGCTTTTCAACAGATGAGAA 517  
QY 191 GACCTGGGCGCATGCTGTGGGACGTCTTCCAGTTTGGGCTCATGCTTTTACAGCTT 250  
DB 518 GACCTTCCAGTATCTTCTGGGGAGTTTACACAGTTTTTCTGATGCAATTTTGGGCT 577  
QY 251 ATCTCTGGGCAATTAAGCTTTTCTGTAAGCAAGTCCAAAGCTATTTGCTTCTCATGAG 310  
DB 578 TTCTTTTGTCTGCAATTTGTCATTTGCTGAGGGCGCAAGCTTTTGAATTTGAAGACT 637  
QY 311 GCTGCTGCGCGGGGGGACATCTTCAATTTTCACTTCTGAGTTGAGTGAAGATATG 370  
DB 638 GCAGCTGCCAGAGAGGGGCTGAGGCTATCTTTCTGCTCTGCTTCTATGAGATTTTCA 697  
QY 371 ATCTCAGCATGATGACAACTGTTTCCAGCTGAGCGCCCTGGGAATGATGCCACTCT 430  
DB 698 CATTGGCATTTTATGATGCTTGCACATCAATTAATTTGCTGATGATGATGCTGTGCA 757  
QY 431 GCATTATCTTACACCTGTGTCTGAGATCTTACAGCAATCTCACTTCTTATCA 490  
DB 758 ATTCTTATATATACAGTATGATTAATTAAGGTTGTCAAGTATCTCATATTTCTGTTCTA 817  
QY 491 ACATGAAATTAACCTTGTGCTGACCATTTCTGCTGAGCTTTGGTGTATGATTAAT 550  
DB 818 AATTTGTCTCAACTCTTTTCTTACTTGTGTGCGCATGATGATTAATGATGATCAAGC 877  
QY 551 ACAGATGGCCAAACCAATCCAAATCAT 578  
DB 878 ATAGATATCTGAAAGAAACCAAGCTTCTT 905

```
RESULT 13
US-10-091-628-6
; Sequence 6, Application US/10091628
; Patent No. US20020164627A1
; GENERAL INFORMATION:
; APPLICANT: Wiganowski, Nathaniel L.
; APPLICANT: Nepomichy, Boris
; APPLICANT: Burnett, Michael B.
; APPLICANT: Hu, Yi
; TITLE OF INVENTION: No. US20020164627A1el Human Transporter Proteins and Polynucleoti
; TITLE OF INVENTION: Same
; FILE REFERENCE: Lex-0314-USA
; CURRENT APPLICATION NUMBER: US/10/091,628
; PRIOR FILING DATE: 2002-03-06
; PRIOR APPLICATION NUMBER: US 60/275,009
; PRIOR FILING DATE: 2001-03-12
; PRIOR APPLICATION NUMBER: US 60/284,152
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 1777
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-091-628-6

Query Match
Best Local Similarity 5.5%; Score 62.4; DB 9; Length 1777;
Matches 207; Conservative 0; Mismatches 241; Indels 0; Gaps 0;

QY 131 TGTCTATGTTCTTCTTGGATGTTCCGTGAGATCCGGAAGCTGTGTCGACATCAGGA 190
DB 756 TGAATATAGTGTGATTTGGTTGTAAGATGAATTACAGCTGTTTCAACAGATGGAAGA 815
QY 191 GACCTCGGGGACATGCTGTGGGACTGCTGCCAGTTTGGGCTCATGCTTTTACAGCTT 250
DB 816 GACCTTGGCAGTAATCTTGGGGGAGTTACACAGTTTTCGATGCCATTTTGGGGGT 875
QY 251 ATCTCTGGGCAATTAATCTTCTCTGAGGAGTCCAGCTATGTTGCTTCATCATG 310
DB 876 TTTCTTTGCTCAGATTTGGGCAATTCCTGAGGGAGCTTTTGGAGTTGTAATACCT 935
QY 311 GCTGTCGCCCGGGGGGACCATCTTAACATTTTCACTTCTGAGTTGAGATGAGATATG 370
DB 936 GCAAGCGCCAGGAGGGGGGAGGCTATCTTTGCTGCTGCTTGAATGAGATTTCA 995
QY 371 ATCTCAGCATCACTATGACAACTGTTCCACCGTGGCCGCTGGGAAATGATGCCACTT 430
DB 996 CATGGCCATTTTGAATGACTTGCACATCAATATTGCTGATCATGATGCTCTGTA 1055
QY 431 GAATTAATCTCACTACCTGGTCTGAGTCTTACAGAGATCCACATTCCTTATCAGA 490
DB 1056 ATTCTTATATATACATGATGATTTAGGCTTGCAGTACATTCATATTCGTTTCTA 1115
QY 491 ACATAGAAATTAACCTTGTGTGCTGACCAATTCCTGTGGCTTGTGTTATGTAAT 550
DB 1116 AATATTGTCAACACTCTTTTCACTGTGTGCGAGATCAATTTGAATAGTATCAAGC 1175
QY 551 ACAGATGGCCAAACATTCMAATCAT 578
DB 1176 ATAGATTAACCTGAAGAAAGCAAGCTTCTT 1203

RESULT 14
US-09-833-381-318
; Sequence 318, Application US/09833381
; Patent No. US20020132090A1
; GENERAL INFORMATION:
; APPLICANT: Robison, Keith E.
; TITLE OF INVENTION: No. US20020132090A1el Nucleic Acid and Protein Homologs
; FILE REFERENCE: 5800-119
```

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; CURRENT APPLICATION NUMBER: US/09/833,381
; CURRENT FILING DATE: 2001-04-11
; PRIOR APPLICATION NUMBER: 09/516,448
; PRIOR FILING DATE: 2000-02-29
; NUMBER OF SEQ ID NOS: 2050
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 318
; LENGTH: 374
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(374)
; OTHER INFORMATION: n = A,T,C or G
US-09-833-381-318

Query Match
Best Local Similarity 5.2%; Score 58.6; DB 10; Length 374;
Matches 141; Conservative 0; Mismatches 100; Indels 3; Gaps 2;

QY 80 ATGAAACCTGAGCTGTTTTCACAGTGTCCACTGTGATGATGGGCTGCTCATGT 139
DB 131 ATGCAATCTCAATACAGTATGATGACACTGTGCTCACCATCCTTATGACATGTGATGT 190
QY 140 TCTCTTGGATGTTCCGTGAGATCCGAAAGCTGTGTCCACATCAGAGACCTTGG 199
DB 191 TTTCTATGGGGGTGCAATGTGAAAGTCCAAAGTTCTTGAACATTAAGAGACCATGG 250
QY 200 GCATTGCTGTGGAGACTGCTGCGCAGTTTGGGCTCATGCTTT--TACAGCTTATCTCT 257
DB 251 GTATCTGTGGGCTCTGATCTCTGTGCAAGTTTGAATATATCTCTCCAAAGCTTTATCC 310
QY 258 GGCATTAAGCTTTTCTCTGAAGCCAGTCCAAAGCTAATGCT--GTTCTCATATGGGCT 316
DB 311 TGTCTGTGGCCCTGATCTCTGATCTCTGTACAGGCTGTAGTGTGCTAATATAGGTTCT 370
QY 317 GCCC 320
DB 371 GCCC 374

RESULT 15
US-09-960-352-10081
; Sequence 10081, Application US/09960352
; Patent No. US20020137139A1
; GENERAL INFORMATION:
; APPLICANT: Warren, Wesley C.
; APPLICANT: Tao, Nengping
; APPLICANT: Byatt, John C.
; APPLICANT: Mathialagan, Nagappan
; TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
; FILE REFERENCE: 16511.006/37-21(10298)C
; CURRENT APPLICATION NUMBER: US/09/960,352
; CURRENT FILING DATE: 2001-09-24
; NUMBER OF SEQ ID NOS: 15112
; SEQ ID NO 10081
; LENGTH: 407
; TYPE: DNA
; ORGANISM: Bos taurus
; OTHER INFORMATION: Clone ID: 43-LIB34-043-Q1-E1-C4
US-09-960-352-10081

Query Match
Best Local Similarity 4.8%; Score 54.2; DB 10; Length 407;
Matches 120; Conservative 0; Mismatches 88; Indels 3; Gaps 1;

QY 359 ATGAGATATGATGATTCAGCATCACTATGACAACTGTTTCCACCGTGGCCCTTGGAA 418
DB 10 AGGGGAGACATGAACCTGAGCATCGATGATGACCACTGTCTCCACCTTTCGCGCTGGGCA 69
QY 419 TGATGCCACTGTCGATTAATCTCTACACTGGTCTGAGTCTTCAAG---CAGATTCGA 475
```

Db 70 TGATGCCCCCTCCTCCTGTAACCTTTACTCCAGGGGCATCTATGATGGGTCCCTGAAGACA 129  
 Oy 476 CCATTCTTATCAGAACATAGGAATTACCCCTTGCTGTGACCAATTCCTGTGGCCTTG 535  
 Db 130 AGGTCCCGTAGGGCGGCATCATGATATCATCTGATCTCTCATTCCTTGCACCATAG 189  
 Oy 536 GTGTCTATGTGATTAACAGATGGCCAAACA 566  
 Db 190 GCATCATCCTCAATCCAAAGGCCCAATA 220

Search completed: June 9, 2003, 06:34:43  
 Job time : 430 secs

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